

## PDEOZE PowerContainer

# El Salvador Small Off-Grid Energy Storage Power Station



## Overview

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AES' Meanguera del Golfo solar plant—the first of its kind in Latin America—relies on enhanced solar-plus-battery storage technology to deliver uninterrupted, carbon-free electricity to isolated island communities and support economic growth in the Gulf of Fonseca region of El Salvador. How can El Salvador boost low-carbon electricity generation?

To boost low-carbon electricity generation further, El Salvador can significantly benefit from expanding its solar energy infrastructure, which is already playing a vital role in the electrical landscape.

How is El Salvador transitioning to a cleaner electricity source?

El Salvador is making significant strides in transitioning to cleaner electricity sources, with over 80% of its electricity now sourced from low-carbon technologies. More than half is harnessed from hydropower and geothermal technologies, showcasing a robust backing from these sustainable foundations.

What is El Salvador's electricity mix?

Sweden Philippines El Salvador's electricity mix includes 32% Hydropower, 23% Geothermal and 15% Solar. Low-carbon generation peaked in 2022.

Why should El Salvador invest in solar energy?

By capitalizing on its geographical advantages for solar energy, El Salvador can increase its clean electricity supply, aligning with environmental goals and global energy trends.

Is electricity growing in El Salvador?

Despite these notable achievements in clean electricity, El Salvador has seen a decline in overall electricity consumption to 1125 kWh per person in 2024, compared to its previous record of 1240 kWh per person in 2021.

What is the history of low-carbon electricity in El Salvador?

Reflecting on the history of low-carbon electricity in El Salvador, there have been varied developments over the decades. The late 1970s and 1980s saw fluctuations in hydropower, with a notable increase by 0.4 TWh in 1979, followed by a slight decrease in the early 1980s.

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